

## **Amendments to the Specification**

**Please rewrite the section heading on page 1, line 4 as follows:**

~~TECHNICAL FIELD OF THE INVENTION~~

**Please rewrite the section heading on page 1, line 16 as follows:**

~~BACKGROUND ART OF THE INVENTION~~

**Please rewrite the section heading on page 3, line 25 as follows:**

~~DISCLOSURE SUMMARY OF THE INVENTION~~

**Please rewrite paragraph [0017] as follows:**

[0017] The present invention can be attained by a first coating composition characterized by comprising at least the following four components (1) to (4): (1) titanium dioxide fine particles with eliminated or reduced photocatalytic activity ~~which~~which is ~~obtained~~obtained by surface- treating titanium dioxide fine particles doped with cobalt capable of capturing free electrons and/or holes, with an organometal compound of zinc capable of capturing free electrons and/or holes, (2) a binder component, (3) a dispersant, and (4) an organic solvent.

**Please rewrite paragraph [0037] as follows:**

[0037]~~[Fig. 1]~~Fig. 1 is a typical cross-sectional view showing an embodiment of a liquid crystal display device having a display surface covered with a multilayered antireflective film comprising the coating film according to the present invention.

~~[Fig. 2]~~Fig. 2 is a schematic cross-sectional view of a polarizing film applied to the outer surface of a glass substrate on a display surface side in the liquid crystal display device shown in Fig. 1.

~~[Fig. 3]~~Fig. 3 is a schematic cross-sectional view showing an embodiment of an antireflective film comprising the coating film according to the present invention.

~~[Fig. 4]~~ Fig. 4 is a diagram showing a spectral curve of ~~aan~~ antireflective film prepared in Example 5.

~~[Fig. 5]~~ Fig. 5 is a diagram showing a spectral curve of ~~aan~~ antireflective film prepared in Comparative Example 3.

**Please rewrite the section on page 12, line 21-- page 13, line 6 as follows:**

**DESCRIPTION OF REFERENCE CHARACTERS USED IN THE**

**DRAWINGS**

[0038] 1: glass substrate on display surface side;

2: pixel part;

3: black matrix layer;

4: color filter;

5, 7: transparent electrode layer;

6: glass substrate on backside;

8: seal material;

9: aligning film;

10: polarizing film;

11: backlight unit;

12: polarizing element;

13, 14: protective film;

15: adhesive layer;

16: hardcoat layer;

17: multilayered antireflective film;

18: medium-refractive index layer;

19, 22: high-refractive index layer;

20, 23: low-refractive index layer;

21: base material film;

101: liquid crystal display device; and

102: antireflective film.

**Please rewrite the section heading on page 13, line 7 as follows:**

~~BEST MODE FOR CARRYING OUT~~DETAILED DESCRIPTION OF THE  
INVENTION

**Please rewrite paragraph [0120] as follows:**

[0120] The coating film thus obtained was subjected to a lightfastness test with a sunshine weather-o-meter. The surface of coating films which had been elapsed to rains of 63°C for 50, 100, 150, and 200 hr, were rubbed with a steel wool of #0000 20 times under a load of 200 g to evaluate steel wool resistance. The results are shown in Table 1 below. ~~Table 1 shows that, when~~When a titanium dioxide coating film which has been subjected to Co doping and further treatment with a zinc coupling agent was used, even after the elapse of 200 hr, the steel wool resistance equal to that at the initial stage can be maintained.

**Please rewrite paragraph [0121] as follows:**

[0121] A coating composition of Example 2 was prepared in quite the same manner as in Example 1, except that, in the preparation of titanium dioxide fine particles, the coating treatment with the inorganic compound, that is, the coating treatment of titanium dioxide with hydrous aluminum oxide, was not carried out. Next, a coating film having a refractive index of 2.00 and a haze value of 0.3 was prepared in the same manner as in Example 1. The coating film thus formed was subjected to a lightfastness test in the same manner as in Example 1. ~~The results are shown in Table 1. Table 1 shows that, even~~Even after the elapse of 200 hr, the steel wool resistance equal to that of the initial stage could be maintained.

**Please rewrite paragraph [0122] as follows:**

[0122] A coating composition of Example 3 was prepared in quite the same manner as in Example 1, except that the coating treatment with the anionic polar group-containing organic compound and/or organic metal compound, that is, the coating

treatment with stearic acid, was not carried out. Next, a coating film having a refractive index of 1.90 and a haze value of 0.50 was prepared in the same manner as in Example 1. The coating film thus formed was subjected to a lightfastness test in the same manner as in Example 1. ~~The results are shown in Table 1. Table 1 shows that, even~~Even after the elapse of 200 hr, the steel wool resistance equal to that of the initial stage could be maintained.

**Please rewrite paragraph [0123] as follows:**

[0123] A coating composition of Example 4 was prepared in quite the same manner as in Example 1, except that, in the preparation of titanium dioxide fine particles, the coating treatment with the inorganic compound, that is, the coating treatment of titanium dioxide with hydrous aluminum oxide, was not carried out and, further, the coating treatment with the anionic polar group-containing organic compound and/or organometal compound, that is, the coating treatment with stearic acid, was not carried out. Next, a coating film having a refractive index of 2.00 and a haze value of 0.50 was prepared in the same manner as in Example 1. The coating film thus formed was subjected to a lightfastness test in the same manner as in Example 1. ~~The results are shown in Table 1. Table 1 shows that, even~~Even after the elapse of 200 hr, the steel wool resistance equal to that of the initial stage could be maintained.

**Please rewrite paragraph [0126] as follows:**

[0126] [Comparative Example 1]

The procedure of Example 1 was repeated to prepare a coating composition and to form a coating film having a refractive index of 2.00, except that, in order to ensure only the dispersibility of the surface of titanium dioxide, Co was not doped, the surface treatment with  $\text{Al}_2\text{O}_3$  and zinc acetyl acetonate was not carried out, and rutile-type titanium oxide subjected to surface treatment with stearic acid was used. The coating film thus formed was subjected to a lightfastness test in the same manner as in

Example 1. ~~The results are shown in Table 1. Table 1 shows that a~~A deterioration occurred when 50 hr elapsed.

**Please rewrite paragraph [0127] as follows:**

[0127] [Comparative Example 2]

(1) Preparation of coating composition

A coating composition was prepared in the same manner as in Example 1, except that rutile-type titanium oxide (tradename: MT-500HDM, manufactured by Tayca Corporation) having a titanium oxide content of 85 to 90%, subjected to surface treatment with  $\text{Al}_2\text{O}_3$ ,  $\text{ZrO}_3$ , and a silicone oil, having a primary particle diameter of 30 to 40 nm, having a specific surface area of 30 to 50  $\text{m}^2/\text{g}$  and having a water-repellent surface was provided as rutile-type titanium oxide. A coating film having a refractive index of 1.90 was formed using this coating composition. The coating film was subjected to a lightfastness test in the same manner as in Example 1. ~~The results are shown in Table 1. Table 1 shows that the~~The coating film began to deteriorate when 100 hr elapsed; and, when 150 hr elapsed, the coating film was completely separated.

**Please rewrite paragraph [0128] as follows:**

[0128] [Comparative Example 3]

A coating composition of Comparative Example 3 was prepared in quite the same manner as in Example 1, except that, in the preparation of the titanium dioxide fine particles, the treatment with a zinc coupling agent was not carried out. Next, a coating film having a refractive index of 1.90 and a haze value of 0.3 was formed in the same manner as in Example 1. The coating film thus obtained was subjected to a lightfastness test in the same manner as in Example 1. ~~The results are shown in Table 1. Table 1 shows that the~~The coating film began to deteriorate when 150 hr elapsed; and, when 200 hr elapsed, a severe damage and separation were observed.

[Table 1]

Table 1

Sample	Lightfastness				
	Initial	50 h	100 h	150 h	200 h
Comparative Example 3	A	A	A	E	D